

Solutions

Each answer shows the steps, then the **result**.

2.1

- It exposes and loosens the soil, so wind and water remove it more easily

2.2

- Eutrophication (nutrient pollution / algal blooms)

2.3

- Any one: buffer strips, precise/reduced fertilizer, no-till

3.1 B

- eutrophication

3.2

(a)

- Any two: tilling causes soil erosion; fertilizer runoff causes eutrophication; loss of soil carbon

(b)

- Any one: no-till, buffer strips, reduced fertilizer

3.3

- They concentrate large amounts of animal waste in one place; if it runs off it adds nutrients and pathogens to water, causing eutrophication and disease risk